PROVISIONAL PROGRAMME

International Conference of Three Societies on Literature and Science
BSLS, CoSciLit and SLSAeu
University of Birmingham, UK, 10-13 April, 2024

Outline Programme

Wednesday 10 April

09:00 Registration and coffee
10:00 Welcome and Plenary 1
11:30 Session 1
13:00 Lunch
14:00 Session 2
15:30 Tea
16:00 Session 3
18:00 Plenary 2
19:00 Reception

Thursday 11 April

09:00 Session 4
10:30 Coffee
11:00 Session 5
12:30 Lunch
13:15 AGM for 3 societies together
14:45 Plenary 3
15:45 Tea
16:15 Session 6
18:00 Plenary 4
20:00 Conference Dinner at Asha's Restaurant

Friday 12 April

09:30 Session 7
11:00 Coffee
11:30 Session 8
13:00 Lunch
13:45 Plenary 5 and Closing Remarks
15:00 Coffee
15:30 Session 9
17:00 Close

Saturday 13 April

Optional trip to BIFoR FACE and Ruskin Land

Saturday 27 April – Online Event

14:00 Panel on Publishing Literature and Science Research
15:00 Panel on the State of the Field
16:00 Plenary 6

The plenary talks will be broadcast live over Zoom and we will record as many of the other presentations as we can to share with all conference delegates over the two weeks between the conference itself and the online follow-up event.

Full Programme

Wednesday 10 April

09:00 Registration and Coffee, Teaching and Learning Building, University of Birmingham

10:00 Welcome and Plenary 1

Literature, Science and the Arts in Interdisciplinary Research

David Hannah, Director, Birmingham Institute for Sustainability and Climate Action
Rob Mackenzie, Director, Birmingham Institute of Forest Research
Fern Elsdon-Baker, Director, Institute for STEMM in Culture and Society, University of Birmingham
Chair: John Holmes, University of Birmingham

11:30 Session 1

A. Humans and Animals
Barbara Gabriella Renzi, Sigmund Freud University, Austria
Humanity and Environment: Intersecting Futures in Arpaia's Qualcosa, là fuori *and Meacci's* Il Cinghiale che uccise Liberty Valance
Laura White, Middle Tennessee State University, Murfreesboro, Tennessee, USA
Making Kin? De-extinction, Motherhood, and Monstrosity in Mashigo's 'Little Vultures'
Loredana Filip, LMU Munich, Germany
Narrating Nature: The Intimate Relationship between Literature and Ordinary Science

B. Science in Twentieth-Century Poetry
Michael H. Whitworth, Merton College, University of Oxford, UK
Science, philosophy, and the present moment in Louis MacNeice's Autumn Journal
George N. Vlahakis, Hellenic Open University, Greece
The affinity between elements and poems: The case of Michael Stephanides
Jolanda Lila, Center for Arberesh Studies and Publications, Tirane, Albania
The technical-scientific lexicon in the Albanian poetry of Socialist Realism

C. Modes of Being Human: Liberalism and Living Otherwise in Science and Literature
Svenja Engelmann-Kewitz, Dresden University of Technology, Germany
Cold Care: Modes of Motherhood between Ice Loss and Future Uncertainty
Nathaniel Otjen, High Meadows Environmental Institute, Princeton University, USA
Pandemic Persons: Being Human in a Time of COVID
Leonie Bossert, Tübingen University, Germany
Other Animals in the Anthropocene: The Normativity of Human-Animal Relations in Socio-Ecological Crises
Davina Höll, Mainz University, Germany
Emerging Knowledge in Times of Crisis: Adam Dickinson's 'Anatomic' (2018)
Christopher Griffin, University of Brighton, UK

Trans the Discipline, Trans the Human: Gender, Genre, and the Academy

D. Sanitation and Tropical Medicine
Ana Carolina Torquato, Maria Sibylla Merian Centre, Brazil
Sanitary Measures and Urban Dynamics in Early 20th-Century Literature: human-animal conviviality in Lima Barreto and Virginia Woolf
Aureo Lustosa Guerios, University of Padua, Italy
The emergence of Tropical Medicine in Brazilian Literature: 'climatic pessimism' in Alberto Rangel and Guimarães Rosa
Ananya Chatterjee and Aratrika Das, Indian Institute of Technology, Indore, India
The Socio-Parasite in Room 000: Narratives of the Bombay Plague *(2015)*

E. Literature and Physics
Laetitia Rimpau, Goethe University, Frankfurt, Germany
Scientific Knowledge as Ascent to the Light: On the Literary Method of Dante Alighieri and Johannes Kepler
Franziska Wolf, Heinrich Heine University, Düsseldorf, Germany
Of Shells, Nuclei, and Raw Material: Atomistic Being in Edith Wharton and Henry James
Kostas Tampakis, National Hellenic Research Foundation, Greece
Science in the gulags: Aleksandr Solzhenitsyn and the sciences

F. Forest Research in Literature and the Arts: BIFoR Roundtable
Dion Dobrzynski, Postdoctoral Researcher, University of Birmingham
Julie Gilson, Reader in Asian Studies, University of Birmingham
Gillian Wright, Professor of English and Irish Literature, University of Birmingham
Toria Johnson, Associate Professor in Early Modern Literature, University of Birmingham
Annie Mahtani, Associate Professor in Music, University of Birmingham
Charlotte Palmer, PhD graduate in Medieval Literature, University of Birmingham

G. Facing Mortality
Li Qi Peh, Nanyang Technological University, Singapore
Improvised Relations: Reading the Dementia Narrative
Madonna Kalousian, King's College London, UK
Undead and Radioactive: Terminal Illness in Arabic Literature
Martina Zimmermann, King's College London, UK
Cognitive augmentation in speculative writing: Anti-ageing discourse at the boundaries between predictive popular science and creative science fiction

H. Science and Religion
Stefano Serafini, University of Padua, Italy
Science, Literature, and the Supernatural in Modern Italy
Hannah Armour, University of Oxford, UK
Science, religion and the female body in Mina Loy's poetry and prose
Fabian Hempel, University of Bremen, Germany
Theorizing on the Autonomy of Science vis-a-vis Religion with Amitav Ghosh's The Calcutta Chromosome

13:00 Lunch

14:00 Session 2

A. Colonial and Postcolonial Landscapes
Lara Choksey, University College London, UK
E.M. Forster and the Great Earthquake of Bengal and Assam
Jaya Sharma, Jawaharlal Nehru University, India
On the Other Side of the River: The Intersection of Science and the Himalayas in Harnot's Nadi Rang Jaisi Ladki
Jerald Lim, University of Utah, USA
Land reclamation as 'slow violence' in Singapore

B. Nineteenth-Century Science, Satire and Humour
Sara Cole, Lancaster University, UK
'Do You Really Think Him One of Us?': Science Performance in Thomas Love Peacock's Satire Melincourt
Arya Mohan S, The English and Foreign Languages University, India
Humourous Science: Analyzing Victorian Era Confluences of Wit and Knowledge
Meegan Kennedy, Florida State University, USA
'A Microscopic Lament': Comic songs of the Quekett Microscopical Club

C. Of chatty coal, belligerent bugs, and Alice in Atomland: Children's Literature, Science, Education and Protest
Elizabeth Massa Hoiem, University of Illinois Urbana Champaign, USA
Social Reform and Ecological Critique in Nineteenth-Century Children's Object Autobiographies
Franziska E Kohlt, University of Leeds, UK
Insects, environmentalism, and Lewis Carroll's didactic vision for children
Devin Griffiths, University of Southern California, USA
Alice in Atomland

D. Fiction, Empathy and Mental Health
June Douglas, St. George's Medical University, Grenada
Empowering Medical Professionals: Literature and Biographies for Personal Growth and Professional Development
Rose Turner, The Open University, UK
Material Engagement in the Dynamic Relationship between Fiction and Empathy
Naomi Rokotnitz, Worcester College, University of Oxford, UK
Fact or Fiction? Dissociative Identity Disorder, Narrative, and Agency

E. Psychedelic Ecologies
John Miller, University of Sheffield, UK
Psychedelic Ecology and Petroculture in Aldous Huxley's Island *(1962)*
Christie Oliver-Hobley, University of Sheffield, UK
'His ego had repaired itself': Psychedelic Ecology and the Coloniality of the Self
Peter Sands, Leverhulme Centre for Anthropocene Biodiversity, University of York, UK
Psychedelic and Paranoid Posthumanism in Ken Russell's Altered States *(1980)*

F. From the Soil to the Trees
Jim Scown, University of Exeter, UK
Dirty Realism: Soils, Science, and Fictions of Sustainability in Elizabeth Gaskell's Industrial Fiction
Georgina M. Montgomery, Michigan State University, USA
Scientific Environments as Sites for Art and Science: The Case of Wytham Woods
Thomas Kaye, University of Birmingham, UK
The Forest Under Story*,* The Overstory*, and New Forestry*

G. Literature and the Future of Human Reproduction: An Interdisciplinary Roundtable
Sara Fovargue, Professor of Law, University of Sheffield, UK
Sharon Ruston, Chair in Romanticism, Lancaster University, UK
Laura O'Donovan, Research Associate in Humanities, Lancaster University, UK
Nicola Williams, Wellcome Lecturer, Lancaster University, UK
Kirsty Dunn, Lecturer in Developmental Psychology, Lancaster University, UK
Stephen Wilkinson, Professor of Bioethics, Lancaster University, UK
Andy Darby, Research Associate in Speculative Design, Lancaster University, UK
Georgia Walton, Research Associate in English Literature, Lancaster University, UK
Alexandra Krendel, Lecturer in Applied Linguistics, University of Southampton, UK

H. The Historical Moment
Jocelyn Holland, California Institute of Technology, USA
Goethe's Distractions
Carolin Loyens, KU Leuven, Belgium
'Who is authorized to write history?' Rahel Levin Varnhagen's poetics of history

15:30 Tea

16:00 Session 3

A. Literature and Science Pedagogies
Kevin Piper and Kevin Mirus, Madison College, USA
On Their Wavelength: Making Literature and Science Resonate with STEM Students at a Two-Year College
Jenny Edvardsson, Kristianstad University, Sweden
Using literary texts in science education
Lotta Leden & Helena Andersson, Kristianstad University, Sweden
Literary texts in science teacher education to promote science education for all students

B. Technology and Experimental Fiction
Peter Middleton, University of Southampton, UK
Stone or Superduper Computer? How Christine Brooke-Rose's novel Xorandor *investigates AI and its challenge to linguistics and narrative*
Alexia Sarasúa Gutiérrez, University of Oviedo, Spain
Technology and Catastrophism: A Discussion of Neccessity and Contigency in William Gibson and Bruce Sterling's The Difference Engine
Shaoni C. White, University of California, Davis, USA
Web Weaves: VanderMeer's Annihilation*'s Readers in a More-Than-Human Media Ecology*

C. Analogy, Metaphor, Synecdoche
Anne Nelmes, University of Sheffield, UK
Analogy in Early Modern Science
Klaus Mecke and Aura Heydenreich, ELINAS, University of Erlangen, Germany
James Clerk Maxwell: Metaphor - Model - Interformation - A Case Study on Epistemic Transformation
Emma de Beus, Queen's University Belfast, UK
Shakespeare as Synecdoche: A Microscopic Macbeth *in* Hamilton

D. Fictions of Prehistory
Nathan Lewis Bramald, University of Liverpool, UK
Palaeofiction and the perception of dinosaurs
Billie Gavurin, University of Bristol, UK
'The Pithecoid Madonna': Walter Pater, Gabriel Von Max, and the Mythicization of Human Evolution
Jerika Sanderson, University of Waterloo, Canada
'If you can make a Neanderthal, you can make anything': De-Extinction, Human Health, and Transhumanism in The Neanderthal's Aunt

E. Science in Modern and Contemporary Poetry
Eric McElroy, University of Oxford, UK
'Against the nihil*': Scientific Discourse in the Poetry of Kathleen Raine*
Beatriz Marques Gonçalves, University of Coimbra, Portugal
Universal grammars and Black bodies: the subversion and implosion of scientific discourses in M. NourbeSe Philip's poetry
Jasmine Tan Hui Jun, Nanyang Technological University, Singapore
Sight as dissection in the poetry of Linda Bierds

F. Botany and Colonialism
Millie Schurch, Stockholm University, Sweden
Popular Botany as Instructive Culture: James Lee's Introduction to Botany *(1760)*
Kimberly Glassman, Queen Mary University of London and Kew Gardens, UK
Dislocated, Displaced, and Disregarded at Kew Gardens: The Female and Indigenous Transatlantic Plant Specimens Behind W. J. Hooker's Flora Boreali-Americana *(1829-1840)*
Dingying Wang, Beihang University, China, and KU Leuven, Belgium
Imperial Botany Encounters: Natural History in Mayne Reid's The Plant Hunters *(1853)*

G. Anthropologies and Ethnographies: Cultures of Literature and Science
Barbara Bienias, Polish Academy of Sciences, Poland
Imprinted fates: Stars as divine script in early modern English astrological discourse
Spencer Adams, LMU-Munich, Germany
The Literary Cultures of British Antarctic Science
Mirian Alves Souza, Fluminense Federal University, Brazil
Ethnodrama 'Ngana Nzambi': The Entanglement of Literature and Science in the Production of Narratives about the Pursuit and Practice of Freedom

H. Nineteenth-Century Children's Literature and Science
Emily Alder, Edinburgh Napier University, UK

Whaling for Boys: hunting and natural history in R. M. Ballantyne's Fighting the Whales *(1863) and* The World of Ice *(1866)*
Laurence Talairach, University of Toulouse Jean Jaurès, France
'I hope you're not treading on the Batrachosperma?' Transplanting, Propagating and Collecting Rare Plants in Juliana Horatia Ewing's Children's Stories
Anna McCullough, University of St Andrews, UK
Growing in Spirals: Teleology and Evolution in the Writings of George MacDonald

18:00 Plenary 2 and Birmingham Transformative Humanities Lecture

The Transforming Humanities

Sarah Dillon, Professor of Literature and the Public Humanities, University of Cambridge, UK

19:00 Wine reception sponsored by Bloomsbury and the Transformative Humanities Centre
Launch of *Explorations in Science and Literature*, Bloomsbury

Thursday 11 April

09:00 Session 4

A. Science slippages, literature leaks and imaginal education in South Africa: A Roundtable
Meghan Judge, Origins Centre Association, University of the Witwatersrand, South Africa
Mehita Iqani, Chair in Science Communication, Stellenbosch University, South Africa
Charne Lavery, Co-director, Oceanic Humanities for the Global South, University of Pretoria, South Africa
Wamuwi Mbao, Lecturer in English Literary Studies, Stellenbosch University, South Africa
Nechama Brodie, Wits Centre for Journalism, University of the Witwatersrand, South Africa

B. Violence and Environmental Justice
Amal AlRowisan, University of Birmingham, UK
War Toxicity and the Disfigurement of Bodies in Denise Levertov's Poetry of Vietnam War
Parushi Ruhil, Indian Institute of Technology, Jammu, India
Island of Refuge: Nature, Migration, and Conflict
Barri J. Gold, University of Pennsylvania, USA
Narrative Unbound: Climate and the Marvel Cinematic Universe

C. Romantic Biologies
Gi Taek Ryoo, Chungbuk National University, Republic of Korea
Biohumanity: Romantic Nature and Biological Human
Annalisa Volpone, University of Perugia, Italy
'From out the Portals of my Brain': William Blake's partus mentis *and imaginative (re)generation*
Tara Lee, University of Hong Kong, China
'Embryos of existence, free': William Blake and Preformationist Biology

D. The role of literature in the institutionalisation of emergent scholarly disciplines
Charlotte Beyer, Senior Lecturer in English Studies, University of Gloucestershire, UK
Daniel Davison-Vecchione, PhD in Sociology, University of Cambridge, UK
Julia Ditter, postdoctoral researcher, University of Konstanz, Germany
Sandro Eich, Senior Library Assistant, University of St Andrews, UK

E. Women and Science in the Eighteenth Century
Greg Lynall, University of Liverpool, UK
'the World of Science all his own': eighteenth-century women poets' tributes to natural philosophers
Caroline Summerfield, Manchester Metropolitan University, UK
Rediscovering the True Discoverer of Photography through the Biographical Novel
Rosalind Powell, University of Amsterdam, Netherlands
Metamorphosing Insects and the Paradox of Metaphor in Anna Letitia Barbauld's Writing

F. The Sound of Nature: Soundscapes and Environmental Awareness, 1750-1950
Wilko Graf von Hardenberg, Humboldt University, Berlin, Germany
Anne Hehl, Humboldt University, Berlin, Germany
Martin Willis, Cardiff University, UK
James Castell, Cardiff University, UK
Francesca Mackenney, Cardiff University, UK

G. Heredity and Genetics
Rhiannon Cogbill, Birmingham City University, UK
'It's in t'blood': Heredity in May Sinclair's The Three Sisters
Paul Hamann-Rose, University of Passau, Germany
Some Thoughts on an Uncommon Toad: The Politics of Early Genetics in Arthur Koestler's The Case of the Midwife Toad
Aline Ferreira, University of Aveiro, Portugal
Motherhood and Genetic Modification in Eve Smith's Off-Target *(2022) and Louisa Hall's* Reproduction *(2023)*

H. Values in Science, Literature and Humanities
Emil C. Toescu, Institute of Transdisciplinary Discoveries, University of Pecs, Hungary
Adam T. Tuboly, Institute of Transdisciplinary Discoveries, University of Pecs, Hungary
Robert Evans, Professor of Sociology, Cardiff University, UK
Will Mason-Wilkes, Institute for STEMM in Culture and Society, University of Birmingham, UK

10:30 Coffee

11:00 Session 5

A. Writing Weather
Barry Sheils, Durham University, UK
Weather Maps, Materialism and Modern Poetics
Urs Büttner, Queen's College, University of Oxford, UK
Time, Weather, and Narration in Thomas Mann's The Magic Mountain
Paul Knowles, University of Manchester, UK
Threat vs Freedom: Antithetical Approaches to Atmosphere in Daniel Mason's A Registry of

My Passage Upon the Earth
Vladimir Jankovic, University of Manchester, UK
Satirizing the World's Worst Weather

B. Literary Explorations of Posthuman Paradoxes: Navigating Techno-human Assemblages in Contemporary Fiction
Sonia Baelo-Allué, University of Zaragoza, Spain
Literature of the Posthuman or Posthuman Literature: The Ethical Dilemmas of Techno-human Assemblages
María Abizanda-Cardona, University of Zaragoza, Spain
"When we have shuffled off this mortal coil": Hamlet and (Trans)human (im)mortality in Em X. Liu's The Death I Gave Him *(2023)*
Miriam Fernández-Santiago, University of Granada, Spain
Diffractive Narration and Posthuman Vulnerability: The Digital Motif in Jenifer Egan's The Candy House *(2022)*

C. Poetry and Geology
Antonio Raschi, Italian National Research Council, Italy
Dante's Inferno *and geothermal areas: more than coincidences*
James Metcalf, University of Manchester, UK
Keeping Quiet: Conventionality, Weak Theory, and the Silent Spectacle of Felicia Hemans's Stone Poems
Yibin (Jerry) Yang, University of Edinburgh, UK
Modernist Poetry and Geology: Exploring Deep Time in T. S. Eliot's Four Quartets *and Hugh MacDiarmid's 'On a Raised Beach'*

D. Forms of Mathematics
Maria Termidou, Hellenic Open University, Greece
Elements of Euclidean geometry in Greek poetry
Emma Jane Baxter, University of Oxford
Revolutionary Thinking: Mathematics in the Works of Yevgeny Zamyatin and Veniamin Kaverin
Irida Altman, ETH Zürich, Switzerland
Fractal Hermeneutics: A Literary Approach to Contemporary Mathematics

E. Scientific Practice in Contemporary Fiction
Anton Kirchhofer and Anna Auguscik, Fiction Meets Science, University of Oldenburg, Germany
Varieties of the Literary Expedition Narrative
Julia Boll, Bielefeld University, Germany
Entangled Ethics: Exploring Witnessing and Scientific Responsibility in Contemporary Literary Fiction
Shannon Lambert, Ghent University, Belgium
Webs of Affect: Citizen Science, Narrative, and the Joy of Discovery in the Short Stories of Andrea Barrett

F. The Vegetable Imagination
Hilary Bedder, Anglia Ruskin University, UK
Re-thinking human modes of being through an examination of the vegetal in Sylvia Townsend Warner's Lolly Willowes
Timothy Ryan Day, Saint Louis University, Madrid, Spain
Trees as Metaphors, Trees as Family: Microbiomes, AI, and Diffraction in Ali Smith's Autumn *and Shakespeare's* Titus Andronicus
Samuel Bradley, King's College London, UK
Derek Jarman and Jocelyn Brooke: Cruising Plants, Botanical 'Contact' and English Queer Ecologies

G. Animating Victorian Science
Sally Shuttleworth, University of Oxford, UK
Sydney Padua, Buckinghamshire New University, UK
Eric Dyer, University of Maryland, USA
Ross Ashton and Karen Monid, The Projection Studio, UK

H. Sciences of the Skies in Medieval Literature
Louis J. Moffa, Jr., Columbia University, New York, USA
Observe, Hypothesize, and Imagine Dante's Astronomy: A Model for Epistemic Development and World-Building from the Convivio *to the* Commedia
Thomas Banbury, University of Cambridge, UK
The Meteorology of the Mind: Dreams, comets, and vapours in medieval literature
Jyoti Saimbi, University of Leicester, UK
Chaucer's popularization of science

12:30 Lunch

13:15 AGM for BSLS, CoSciLit and SLSAeu

14:45 Plenary 3

Fi-Sci: How Fictionality Powers SciComm

Rhona Trauvitch, Director, Science & Fiction Lab, Florida International University (FIU), USA
Tigran Abrahamyan, Assistant Teaching Professor in Astronomy, FIU, USA
Prem Chapagain, Associate Director of the Biomolecular Sciences Institute, FIU, USA
Anamika Prasad, Associate Professor in Biomedical Engineering, FIU, USA
Sabyasachi Moulik, Associate Professor in Cellular Biology and Pharmacology, FIU, USA
James Phelan, Director of Medical Humanities and of Project Narrative, Ohio State University, USA
Medardo Rosario, Assistant Professor of Spanish, FIU, USA
Jeanette Smith, Assistant Teaching Professor in Religious Studies, FIU, USA
Uma Swamy, Teaching Professor, Chemistry and Biochemistry, FIU, USA

15:45 Tea

16:15 Session 6

A. New Perspectives in Theatre, Performance, and Science: An Open Mic Session
Hosts: Daniel Ibrahim Abdalla, University of Liverpool, UK
Liliane Campos, Sorbonne Nouvelle, France
Kirsten Shepherd-Barr, St Catherine's College, University of Oxford, UK

Respondents: Martin Willis, Cardiff University, UK
Jenni Halpin, Savannah State University, USA

B. Technological Aesthetics and Digital Media
Dennis Summers, CCO, Strategic Technologies for Art, Globe and Environment, USA
Digital Collage: From 88 Constellations for Wittgenstein *to AI*
Grace Grothaus, York University, Toronto, Canada
Digital media technologies and environmental consciousness
Ziru Chen, Kellogg College, University of Oxford, UK
Technological Aesthetics in Modern Chinese Lyricism

C. Extractive Economies
Philipp Sperner, University of Konstanz, Germany
Poetics of Knowledge Production and the Rhetorics of Extraction in German Romanticism
Daniel Bowman, University of Stavanger, Norway
Nation of Mechanics: Automobility and Indigeneity in John Joseph Mathews's Sundown *(1934)*
Diletta De Cristofaro, Northumbria University, UK
Climate Breakdown, Sleep, and Extractive Capitalism in Contemporary Literature and Culture

D. Early Modern Epics and Science
Alessio Mattana, University of Turin, Italy
Epicurean Atomism in Lucy Hutchinson's De Rerum Natura *Manuscript Translation*
Benedetta Burgio, Università Cattolica del Sacro Cuore, Milan, Italy
A Synthesis of Early Modern Magnetic Theories in Sir Richard Blackmore's Creation *(1712)*
Vladimir Brljak, Durham University, UK
Milton's Paradise Lost *and the Victorian Cosmological Imagination: The Case of James Gall (1808–1895)*

E. Science in the Periodical Press
Gary Kelly, University of Alberta, USA
Mechanics' Modernity and the Anecdote Genre
Clare Stainthorp, Queen Mary University of London, UK
The Value of Science in British Freethought Periodicals
Adele Guyton, University of Leuven, Belgium
Magazine Metafictions and Popular Science: Narrating Astronomy in Pearson's Magazine

F. The Ick! Factor: Modernism, Discomfort, and Sexology
Lloyd Meadhbh Houston, University of Cambridge, UK
Queer Pastoral and Its Discontents: Forrest Reid, Pederasty, and Sexual Science
Laura Ludtke, University of New Haven, London, UK
Sexological and Feminist Pedagogical Approaches to Teaching Tricky Moments in Wyndham Lewis's Tarr *(1918)*
Julyan Oldham, Magdalen College, University of Oxford, UK
'*The biggest blush of all': Sexual Science and Wyndham Lewis's* Apes of God *(1930)*

G. Other Lives: Fungi, Algae, Sea Anemones
Nathan Smith, Senior Curator of Mycology and Bryology, National Museum of Wales, UK
Cosy Catastrophes: Fungi as Disruptors of Middle-Class Life in John Wyndham's 'The

Puff-Ball Menace'
Helena Hunter, Nottingham Trent University, UK
Field-Lab-Archive: Practice research across poetry and science
Ana Carolina Meireles and João Paulo Guimarães, University of Porto, Portugal
'Why not Populate Poetry with Bees and Anemones?': Aquatic Animals and the Metaphor of the Anemone in the Poetry of António Ramos Rosa

H. Crime, Narrative and Mental Health
Louise Benson James, Ghent University, Belgium
Medicine, Crime and Realism in Ouida's 'Toxin' (1895)
Michael Wainwright, Royal Holloway University of London, UK
From Intelligent Artifice to Artificial Intelligence: A Sherlock Holmes Cryptography
Melissa Ho, Nanyang Technological University, Singapore
Narrative Manipulation: Mental Health, Hypnosis, and Criminality in Singaporean TV Dramas

18:00 Plenary 4

Fiction, Empathy, and Prosocial Behaviour: A Historical Multimedia Approach

Isabel Jaen Portillo, Professor of Spanish, Portland State University, USA

20:00 Conference Dinner at Asha's Restaurant

Friday 12 April

09:30 Session 7

A. Evolution, Myth and Literature
Richard Fallon, University of Nottingham and the Natural History Museum, UK
Literature in the Natural History Museum, London, 1905–1924
Abhishek Sarkar, Jadavpur University, Kolkata, India
Reading Darwin into Mythology: Hindu Revivalism of Nineteenth-Century Bengal
Maria Zarimis, independent researcher, Australia
Investigating Nikos Kazantzakis' The Odyssey*: A Modern Sequel as an Evolutionary Epic*

B. Relativity and Quantum Physics in Twentieth-Century Literature
Neil Addison, Japan Women's University, Tokyo, Japan
'Waiting Both': Einstein and Hardy's Four-Dimensional Time
Xueying Zhou, Beijing University of Chemical Technology, China
Quantum Reality and Mystical Musings on Precarity in Woolf's To the Lighthouse
Sarah Daw, Cardiff University, UK
Quantum Physics and ideas of entanglement in the poetry of Allen Fisher

C. Observation and Cosmology in the Romantic Period
Sophie Laniel-Musitelli, University of Lille, France
Before our eyes: Scientific Observation in Erasmus Darwin's Temple of Nature
Sarah Maria Teresa Goeth, University of Innsbruck, Austria
Humboldt's Cosmos as a synesthetic Experience
Priyanka S Raj, Mahindra University, Hyderabad, India
Poetry and Science: An Interdisciplinary Study to the Scientific Enlightenment and

Cosmic Imagination in British Romantic Literature

D. Form and Representation in Fiction
Ciarán Kavanagh, Ghent University, Belgium
Two Roads Diverged: Seriousness and Literariness in Science Fiction
Hemant Kumar Golapalli, Vidyasagar University, Midnapore, West Bengal, India
'It all coheres even if you approach it bass ackwards': The Illuminatus Trilogy as Dissipative Structure
Aris Anagnostopoulos
Language as a space craft: fictioning science, technology and space travel

E. Science Communication and Climate Change
Hannah Little, University of Liverpool, UK
Anthropomorphising ecology: investigating social information bias with non-human characters
Gemma Curto, University of Sheffield, UK
Environmental chaos in contemporary narratives
Maria Kuzina, Polytechnic University of Valencia, Spain
Communication and empathy in a cli-fi play escaped alone: how to assess a hyperobject

F. Museum Mnemosyne: Natural History Museums and Memory Narratives
Jordan Kistler, University of Strathclyde, UK
Memories of the Distant Past
Verity Burke, University College Dublin, Ireland
Extinction in the Museum: Re-Membering Absent Animals
Janine Rogers, Mount Allison University, Canada
The Dark Ages: Memory, a Museum, and My Favourite Mistake

G. Prose Form, Prose Style
Thomas W. Howard, Bilkent University, Türkiye
Aphoristic Science: Poetry, Empiricism, and Short Forms in Nineteenth-Century Ecology
Kexin Song, University of Washington, Seattle, USA
Fossils and Literacies: Reading Extinction with Victorian Natural History
Mo O'Neill, University of Sheffield, UK
'A certain kind of tact': Vital aesthetics in Edward Carpenter's science-critical nonfiction prose

H. Theories of Literature and Science
Michaela Giesenkirchen Sawyer, Utah Valley University, USA
Consilience in Steven Jay Gould
Flavio Auer, University of Freiburg and LMU Munich, Germany
A neo-Kantian model for the relation of science and literature
Nicole Brandstetter, University of Applied Sciences Munich, Germany
Digitalisation and mythology – a literary perspective

11:00 Coffee

11:30 Session 8

A. Implications: Michel Serres and the Environmental Humanities
Lilian Kroth, University of Fribourg, Switzerland
Ice Criticality: Michel Serres and the Ice Humanities
Orsola Rignani, University of Parma, Italy
Michel Serres and Posthuman Subjectivities: Silencing, Trans-Lation, Co-Implications
Moritz Ingwersen, TU Dresden, Germany
Michel Serres and Elemental Cultures of Energy

B. Interactive Fiction
Naomi Mandel, Hebrew University of Jerusalem, Israel
Synthesizing Realms: Literary and Technological Reciprocity in the Evolution of Computer Games
Yewon Hong and Jiwon Ho, University of Illinois Urbana-Champaign, USA
Beyond the Script: Rethinking (Ir)Reality and Immersion in Simulation Games
Claire Carroll, University of Cambridge, UK
Can You Choose Your Own Adventure If It's Not Accessible? Walkthroughs and Parallel Processing in Digital Interactive Fiction

C. Science and Gender in Popular fin-de-siècle Gothic Fiction:
Victorian Popular Fiction Association Panel
Alicia Beavis, City, University of London, UK
F. E. M. Notley and the dangers of science
Katerina García-Walsh, University of St Andrews, UK
Arthur Machen's Neurological Occultism
Helena Ifill, University of Aberdeen, UK
Gothic Consultations: Medical Science and the Doctor-Patient Relationship in Fin-de-siècle Popular Short Fiction

D. The Healing Arts?
Jessica Howell, Texas A&M University, USA
'I care for myself': Self-care and the practice of writing in Jane Eyre *and Harriet Martineau's memoirs*
Orsolya Albert, KU Leuven, Belgium
Beauty is Health, Health Beauty: The Healing Aesthetic Experience in the Essays of Vernon Lee
Azila Rozaini, Nanyang Technological University, Singapore
Mental Health Narratives in Singapore: Considering Perspectives from Patients, Practitioners, and Caregivers

E. The Text and the Book
Jerome de Groot, University of Manchester, UK
The once and future archive: molecular manuscripts
Enida Godime & Alma Dema, Aleksander Moisiu University, Durres, Albania
The connection of science to the narration of postmodernism literature
Julia A. Empey, University of Cambridge, UK

Books are/as posthuman in Arkady Martine's A Memory Called Empire *and Jacek Dukaj's* The Old Axolotl

F. Trauma, Disease and the Vulnerable Body
Manolis Simos, National and Kapodistrian University of Athens, Greece
Decadent Machines in Villiers de l'Isle-Adam
Sina Schuhmaier, University of Mannheim, Germany
'Colonial Disease' and the 'Material Turn': Pathogens in Late Victorian Short Fiction
Alice Farion, University of Oxford, UK
Auto-immunity in Brave New World

G. Fictions of Time
Will Tattersdill, University of Glasgow, UK
Building Other Worlds, Building This One
Lucy Grace, Nottingham Trent University, UK
Stone Stories: Temporality and Geological Time in Twenty-first Century Short Fiction
Jenni Halpin, Savannah State University, USA
Positive Energy, Time Travel, and The Light Brigade *(2019)*

H. Music, Technology and Therapy
Constantin Canavas, Hamburg University of Applied Sciences, Germany
Itineraries of carillons in the Italian literature since 1900
Tiffany Funk, University of Illinois Chicago, USA
"A Vast and Subtle Symphony": Daphne Oram's Interdisciplinary Exploration of Sound Synthesis, Cybernetics, and Speculative Music Psychology
Isadora Cavalcanti, University of Porto, Portugal
Vulnus: Mud Volcano Therapy

I. Tour of the National Buried Infrastructure Facility
Ann Smith, NBIF Project Officer, University of Birmingham, UK

13:00 Lunch

13:45 Plenary 5 and (Pre-)Closing Remarks

The Social Practices of Medical Anecdotes
Brian Hurwitz, Emeritus Professor of Medicine and the Arts, King's College London, UK

15:00 Coffee

15:30 Session 9

A. Comics and Science: An Interdisciplinary Approach
Emmy Waldman, Virginia Tech University, USA
COVID Comics in the Cube
Noelia Ibarra and Álvaro M. Pons, University of Valencia, Spain
Comics for Explaining Climate Change to Children and Youth
Francisco Sáez de Adana, University of Alcalá, Spain
Silver Surfer and the Möbius band: On the Use of Geometry in the Page Composition

B. Man-made Bodies
Noah Gallego, California State Polytechnic University, Pomona, USA
Spectres of Linnaeus: Racial Pseudoscience and Constructing Multiethnic Monstrosity in Frankenstein
Grace Anne Paizen, University of Glasgow, UK
'Spin Round', Siri: The Junction of Entertainment Automata, the Music Box, and E.T.A. Hoffmann's 'The Sandman' in the Development of Companion Machines
Oliwia Lasocka, University of Silesia, Katowice, Poland
Cogwheels of Prejudice: Sexbots as Catalysts for Social Reflection in Margaret Atwood's The Heart Goes Last

C. AI Writing, Writing AI
Laura Kinzig, University of Göttingen, Germany
Did AI kill the author? A Hermeneutic Investigation
Dustin Hellberg. University of the Bahamas, Bahamas
Would AI Lie to You: Institutional Facts, Institutional Fictions
Curtis Runstedler, University of Stuttgart, Germany
Trustworthy and Compliant AI in Kazuo Ishiguro's Klara and the Sun

D. Children's Literature and Well-Being
Rachel Crossland, independent researcher, UK
The Science of Magic and the Magic of Science: Reading The Secret Garden *through a Literature and Science Lens*
Rosy-Triantafyllia Angelaki, Aristotle University of Thessaloniki, Greece
Connecting Children's Literature to Education for Sustainability: Ecological posthumanism and solastalgia in children's picturebooks
Vrushali Thakkar, Emory University, USA
Young Adult Novels as a Bridge between Medicine and Literature: Metaphors of Chronic Pain

E. Approaching Disability
Maryssa Grayer, University of Victoria, Canada
The "Science" of Marriageability: Disability and (Un)marriageability in Charlotte Yonge's The Heir of Redclyffe *and George Eliot's* The Mill on the Floss
Marie Allitt, University of Edinburgh, UK
Mansfield's wounded wing and Lawrence's 'miserable bronchi': Tuberculosis as Disability
Ibrahim Fawzy, Fayoum University, Egypt
Storytelling, Body, and Dis/ability in Shahd AlShammari's Head above Water

F. The Human Seafloor
Jimmy Packham, University of Birmingham, UK
Inarticulate sounds of awe: speaking (of) the seafloor in popular science media
Laurence Publicover, University of Bristol, UK
Secrets of the Deep: Science, Poetry, and the Nuestra Señora de la Concepción
Giulia Champion, University of Southampton, UK
(Non-)Humans at the Seabed: What the Infrastructure of Deep-Sea Mining Reveals and Erases

G. Life Theories
Hyang Jo, Seoul National University, Republic of Korea
Goethe's Literature from the Perspective of Global Life
Teun Joshua Brandt, University of Groningen, Netherlands
Forms of Life: A Formalist View on Biological Individuality

H. Female Matters: The Sciences of Pregnancy and Motherhood from the Eighteenth to the Early Twentieth Century
Jennifer Henke, University of Bonn, Germany
Erased Subjects: Practices of Reproduction during the Eighteenth Century and Beyond
Sarah Wegener, Johannes Gutenberg-Universität Mainz, Germany
"The pearls of your mind": Material Pregnancies in Mathilde Blind's Epistemology of Cognition
Wolfgang Funk, Johannes Gutenberg-Universität Mainz, Germany
'The dirty bestial breeding of the past': Charlotte Haldane's Man's World *and the Promises and Pitfalls of Vocational Motherhood*

17:00 Close

Timings for tours of the Lapworth Geology Museum and Winterbourne House and Gardens tbc.

Saturday 13 April

Optional Full-Day Visit to BIFoR FACE and Ruskin Land

Saturday 27 April

Online Event for all delegates

14:00 Panel 1

Publishing Literature and Science Research

Sharon Ruston, Series Editor, *Palgrave Studies in Literature, Science and Medicine*
Ben Doyle, Publisher, *Explorations in Science and Literature*, Bloomsbury
Martin Willis, Editor, *Journal of Literature and Science*
Rajani Sudan, Editor, *Configurations*
Tara Mahfoud, Assistant Editor, *Interdisciplinary Science Reviews*

15:00 Panel 2

Literature and Science: The State of the Field – Reflections on the Conference

Speakers to include Alice Jenkins, University of Glasgow, Founding Chair of BSLS

16:00 Plenary 6 – title tbc

George Levine, Emeritus Professor of English at Rutgers University